

This is a continuation of Application No. 09/144,514, filed August 31, 1998, now issued as U.S. Patent No. 6,130,046, which is a continuation-in-part of Application No. 09/072,394, filed May 4, 1998, now abandoned, both of which are hereby incorporated by reference.

In the Claims

Please replace the pending claims with the following:

1-7. (Canceled)

8. (Amended) A substrate having polymer probes coupled thereto, comprising:  
a plurality of regions on the substrate in which diverse polymer probes are coupled; and  
a plurality of regions on the substrate in which polymer probes having the same sequence are coupled, wherein the polymer probes having the same sequence will bind with a control sequence of monomers but the polymer probes are formed with at least one different monomer addition cycle so that the integrity of the polymer probes may be verified.

9. (Previously Amended) The substrate of claim 8, wherein the plurality of regions are at the center of the substrate.

10. The substrate of claim 8, wherein the plurality of regions are in a checkerboard pattern on the substrate.

11-23. (Canceled)

24. (Amended) A substrate having nucleic acid probes coupled thereto, comprising:  
a plurality of regions on the substrate in which diverse nucleic acid probes are coupled;  
and

a plurality of regions on the substrate in which nucleic acid probes having the same sequence are coupled, wherein the nucleic acid probes having the same sequence will bind with a control sequence of nucleotides but the nucleic acid probes are formed with at least one different nucleotide addition cycle so that the integrity of the nucleic acid probes may be verified.

25. The substrate of claim 24, wherein the plurality of regions are at the center of the substrate.